incorporated type three-dimensionally reconstructed tissue further comprises one or more extracellular matrix components and/or one or more mesh networks.

4. (Amended) The co-culturing carrier according to Claim 1, wherein the cells to be incorporated in the cell incorporated type three-dimensionally reconstructed tissue are cells derived from an animal that is homogeneous or heterogeneous to the fertilized ovum.

5. (Amended) The co-culturing carrier according Claim 4, wherein the cells to be incorporated in the cell incorporated type three-dimensionally reconstructed tissue are cells derived from an endometrium.

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6. (Amended) The co-culturing carrier according to Claim 1, wherein the cell to be incorporated in the cell incorporated type three-dimensionally reconstructed tissue are pretreated with mitomycin C.

7. (Amended) The co-culturing carrier according to Claim 3, wherein the extracellular matrix component is gelated.

8. (Amended) The co-culturing carrier according to Claim 3, wherein the mesh network is composed of one or more natural or synthetic threads and/or a woven mass thereof.

9. (Amended) The co-culturing carrier according to Claim 3, wherein the mesh network is bioabsorptive.

10. (Amended) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 1 into a culture vessel and culturing the fertilized ovum of an animal.

Please add the following new claims:

11. (New) The co-culturing carrier according to Claim 2, wherein the cell incorporated type three-dimensionally reconstructed tissue further comprises one or more extracellular matrix components and/or one or more mesh networks.

12. (New) The co-culturing carrier according to Claim 11, wherein the extracellular matrix component is gelated.

13. (New) The co-culturing carrier according to Claim 11, wherein the mesh network is composed of one or more natural or synthetic threads and/or a woven mass thereof.

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14. (New) The co-culturing carrier according to Claim 11, wherein the mesh network is bioabsorptive.

15. (New) The co-culturing carrier according to Claim 11, wherein the one or more extracellular matrix components are type-I collagen.

16. (New) The co-culturing carrier according to Claim 11, wherein the one or more mesh networks comprise gauze or cotton.

17. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 2 into a culture vessel and culturing the fertilized ovum of an animal.

18. (New) The co-culturing carrier according to Claim 2, wherein the cells to be incorporated in the cell incorporated type three-dimensionally reconstructed tissue are cells derived from an animal that is homogeneous or heterogeneous to the fertilized ovum.

19. (New) The co-culturing carrier according to Claim 18, wherein the cells to be incorporated in the cell incorporated type three-dimensionally reconstructed tissue are cells derived from an endometrium.

20. (New) The co-culturing carrier according to Claim 2, wherein the cells derived from animals is selected from the group consisting of endometrial epithelial cells and stromal cells.

21. (New) The co-culturing carrier according to Claim 2, wherein the cells derived from animals is selected from the group consisting of bovine endometrial epithelial cells and bovine stromal cells.

22. (New) The co-culturing carrier according to Claim 3, wherein the one or more extracellular matrix components are type-I collagen.

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23. (New) The co-culturing carrier according to Claim 3, wherein the one or more mesh networks comprise gauze or cotton.

24. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 3 into a culture vessel and culturing the fertilized ovum of an animal.

25. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 4 into a culture vessel and culturing the fertilized ovum of an animal.

26. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 5 into a culture vessel and culturing the fertilized ovum of an animal.

27. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 6 into a culture vessel and culturing the fertilized ovum of an animal.

28. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 7 into a culture vessel and culturing the fertilized ovum of an animal.

29. (New) The co-culturing carrier according to Claim 8, wherein the mesh network is bioabsorptive.

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30. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 8 into a culture vessel and culturing the fertilized ovum of an animal.

31. (New) The method of culturing a fertilized ovum of an animal, comprising introducing the co-culturing carrier according to Claim 9 into a culture vessel and culturing the fertilized ovum of an animal.

BASIS FOR THE AMENDMENT

Claims 1-10 have been amended.

Claims 11-31 have been added.

The amendment of Claims 1-10 is supported by the corresponding original claims as originally filed. New Claims 11 and 18 are supported by original Claim 4. New Claim 12 is supported by original Claim 7. New Claim 13 is supported by original Claim 8. New Claims 14 and 29 are supported by original Claim 9. New Claims 17, 24-28, and 30-31 are supported by original Claim 10. New Claim 19 is supported by original Claim 5. New Claims 15-16 and 20-23 are supported by Preparation Example I (pages 19-22 of the specification as originally filed).

No new matter is believed to have been introduced by virtue of the amendment presented herein.